ONTARIO MINISTRY OF ENVIRONMENT
36936000024454

LIBRARY COPY
JUN 21 1965
ONTARIO WATER
RESOURCES COMMISSION

ANNUAL REPORT

1963

VILLAGE OF PORT PERRY

WATER SYSTEM

TD
367
.A56
P47
1963
MOE

TD
367
.A56
P47
1963

Annual report 1963 : village of
Port Perry.
81812

ANNUAL REPORT

1963

VILLAGE OF PORT PERRY

VILLAGE OF PORT PERRY

PROJECT #57-W-6

DESCRIPTION OF PROJECT

The project consists of a pumping station and a deep well located several miles from the village limits. The well is 10 inches in diameter and 110 feet deep and was originally rated at 200 gallons per minute. The pump is a Pleuger submersible pump and is controlled by the water level in the elevated tank.

Type of Pump - Pleuger E-63

HP - 20

RPM - 3450

Stages - 3

Volts - 550 - 3 phase

Capacity - 165 U.S. gpm @ 250 foot head

The mains are as follows:

STREET	FROM	TO
Simcoe St.	Pump House	Road allowance between Concessions 4 & 5 Reach Township
Simcoe St.	Road allowance	
Ontario St. & Lilla St.	Between Concessions 4 & 5 Reach Township	Intersection of 6" main

Total capital cost was $62,421.21.

1963

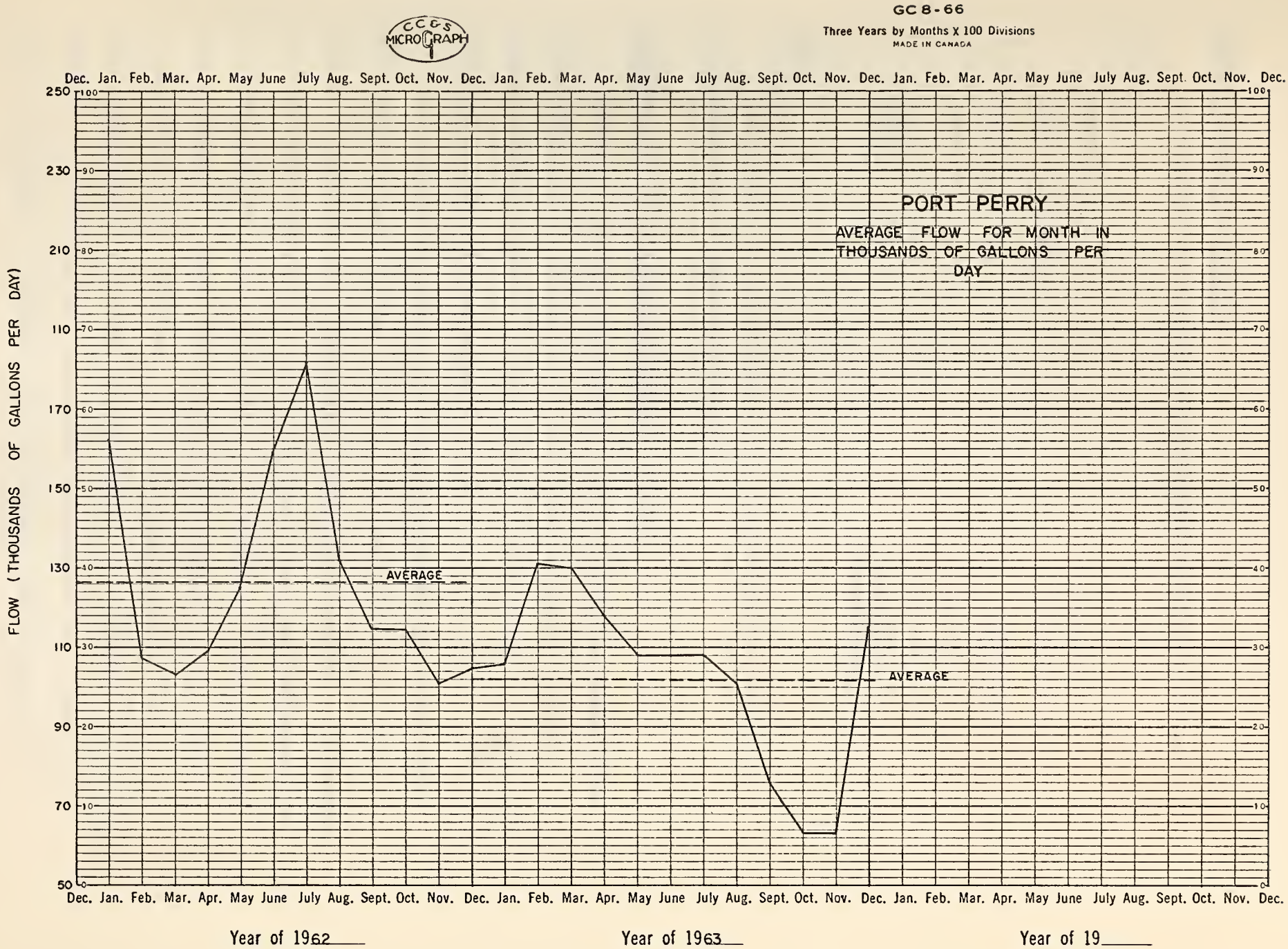
TOTAL OPERATING COSTS

Month	Total Expenditure	Power	General Supplies	Equip.	Rprs.& Maint.	Sundry
Jan.	118	118				
Feb.	141	120	22			
Mar.	130	120				10
Apr.	122	122				
May	182	117			65	
June	321	114		207		
July	123	123				
Aug.	152	125	3		24	
Sept.	105	105				
Oct.	202	113			89	
Nov.	167	118		44	6	
Dec.	449	83			366	
TOTAL	2213	1377	24	251	550	10

The operating costs do not include those costs incurred by the municipality. The major cost handled directly by the municipality would be that of labour.

Digitized by the Internet Archive
in 2015

https://archive.org/details/annualreport196324454


GC 8-66
Three Years by Months X 100 Divisions
MADE IN CANADA
CCGS MICROGRAPH
PORT PERRY
AVERAGE FLOW FOR MONTH IN THOUSANDS OF GALLONS PER DAY
FLOW (THOUSANDS OF GALLONS PER DAY)
AVERAGE
AVERAGE
Dec. Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
250 230 210 110 170 150 130 110 90 70 50
100 90 80 70 60 50 40 30 20 10 0
Year of 1962
Year of 1963
Year of 19

TOTAL OPERATING COSTS

The total cost to the municipality during 1963 was as follows:

Operating	$ 2,212.51
Debt Retirement	1,260.00
Reserve	494.00
Interest	3,516.43
TOTAL	$ 7,482.94

NOTE:

The amount in the Reserve for Contingencies Fund as of December 31, 1963 was $2,373.01.

SUMMARY OF 1963 FOR PORT PERRY - 57-W-6

During January, the Ontario Water Resources Commission Plant Operations Maintenance Staff installed an electric cable heating element in the town's elevated tank to prevent freezing of the stored water.

At the end of April, it became apparent that the water from well #2 was of poor quality and production was down to about 70 gallons per minute (previously it was 150 - 200 gpm). The foreign material in the water was found, upon analysis, to be precipitated iron salts which are usually found when the iron content is above the recommended maximum of 0.3 ppm. To counteract the problem, the Maintenance Staff of the OWRC chlorinated the well on May 29th. A residual of 100 ppm chlorine was maintained for about five hours and then the well was pumped to waste. The procedure was repeated on

May 30th and then the chlorinator was set to maintain a 1.0 ppm chlorine residual at the pump house.

On July 3rd, sample reports showed no iron bacteria present in the water.

On September 27th, a Local Advisory Committee meeting was held in the Town to discuss the lessened capacity of well #2. It was decided to install a rented submersible type pump while the Byron Jackson pump was pulled and examined. During this period, the Ground Water Division ran tests on the well and on their recommendation the well was acidized, chlorinated and flushed by Plant Operations Maintenance Section.

An economic study showed that considerable saving would be apparent after four years if the submersible pump were purchased and used rather than attempt repairs to the old pump. This was done on the basis of easy removal of the submersible when reconditioning is again required. The pump was purchased from the Reserve Account and has been in service since November 1963.

At the end of 1963, the well was producing 140 gpm and the water was relatively free of foreign matter.

ONTARIO WATER RESOURCES COMMISSION
DIVISION OF PLANT OPERATIONS.
VILLAGE OF PORT PERRY,
WATER SYSTEM.

ANNUAL REPORT. 1963

DATE	ISSUED TO

Division of Plant Operations

ONTARIO WATER RESOURCES COMMISSION
801 BAY ST. TORONTO 5